CDX Student User Manual

Tasksheets

CDX Light Vehicle

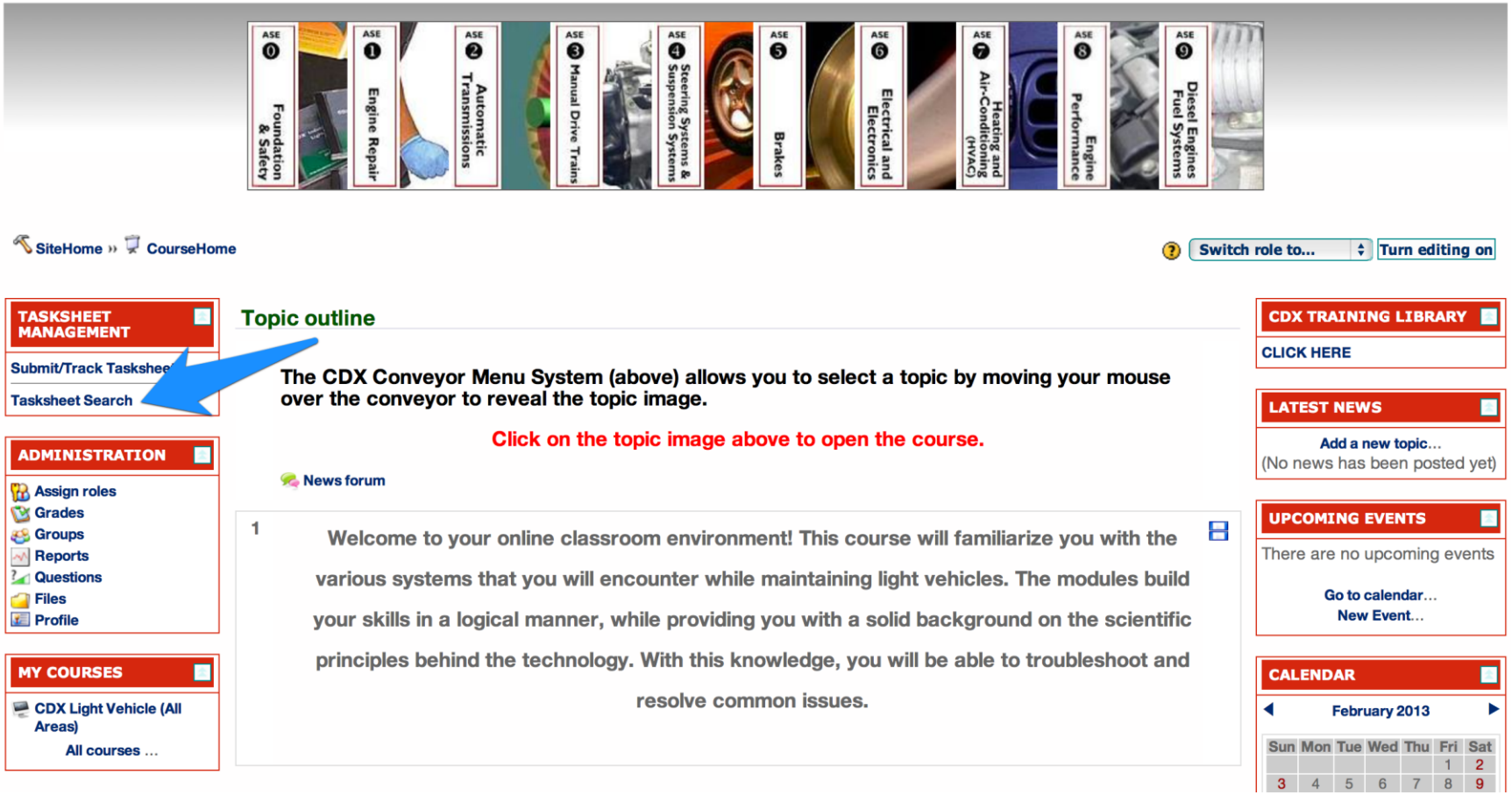
JONES & BARTLETT LEARNING
CDX Automotive
www.cdxauto.com

Part 1

LOCATING TASKSHEETS

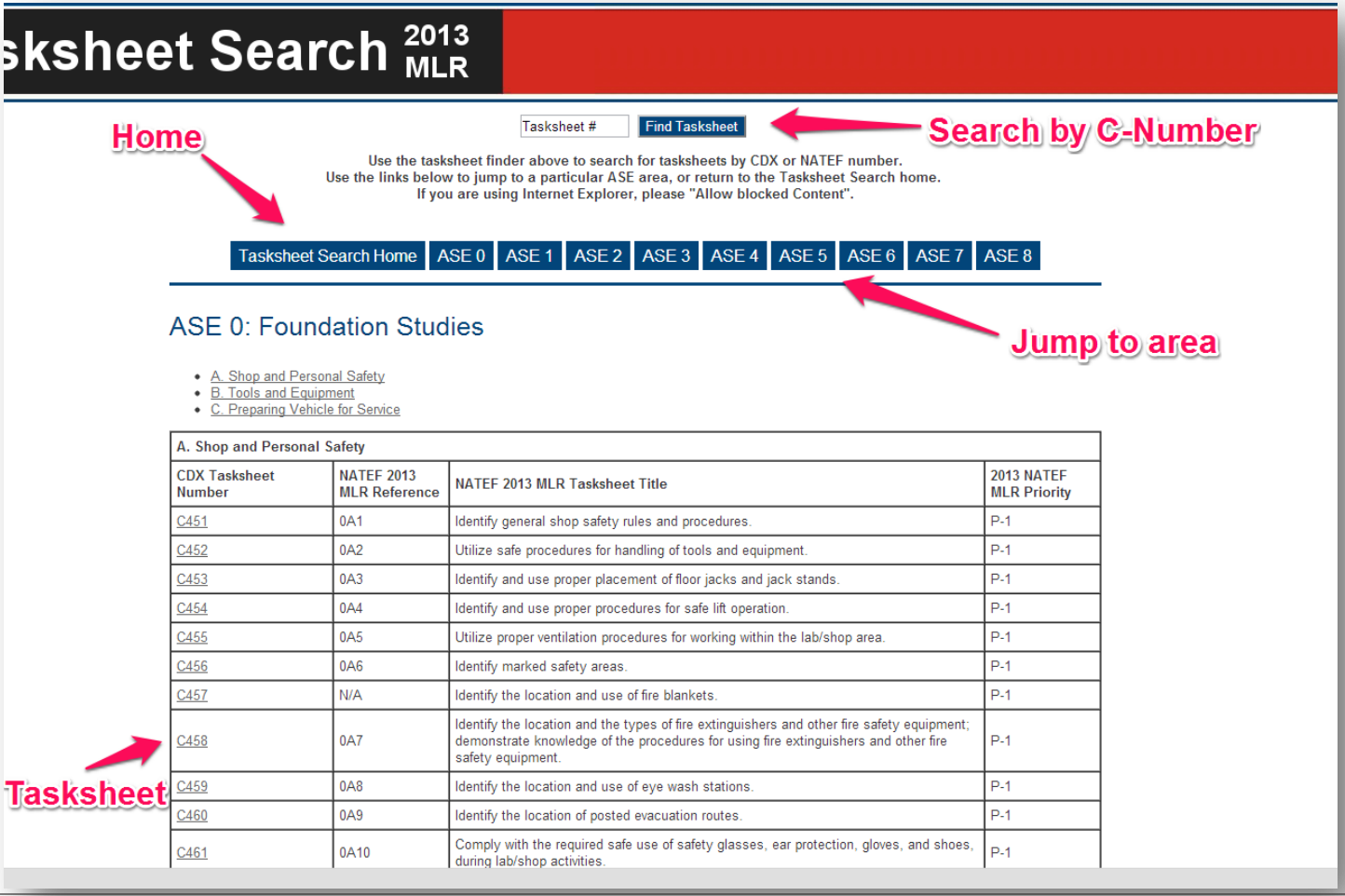
The new Tasksheet Search feature makes it easy to locate a specific CDX tasksheet, or browse the entire list organized by the NATEF standards.

In the *TASKSHEET MANAGEMENT* block on the course homepage, click **Tasksheet Search**.

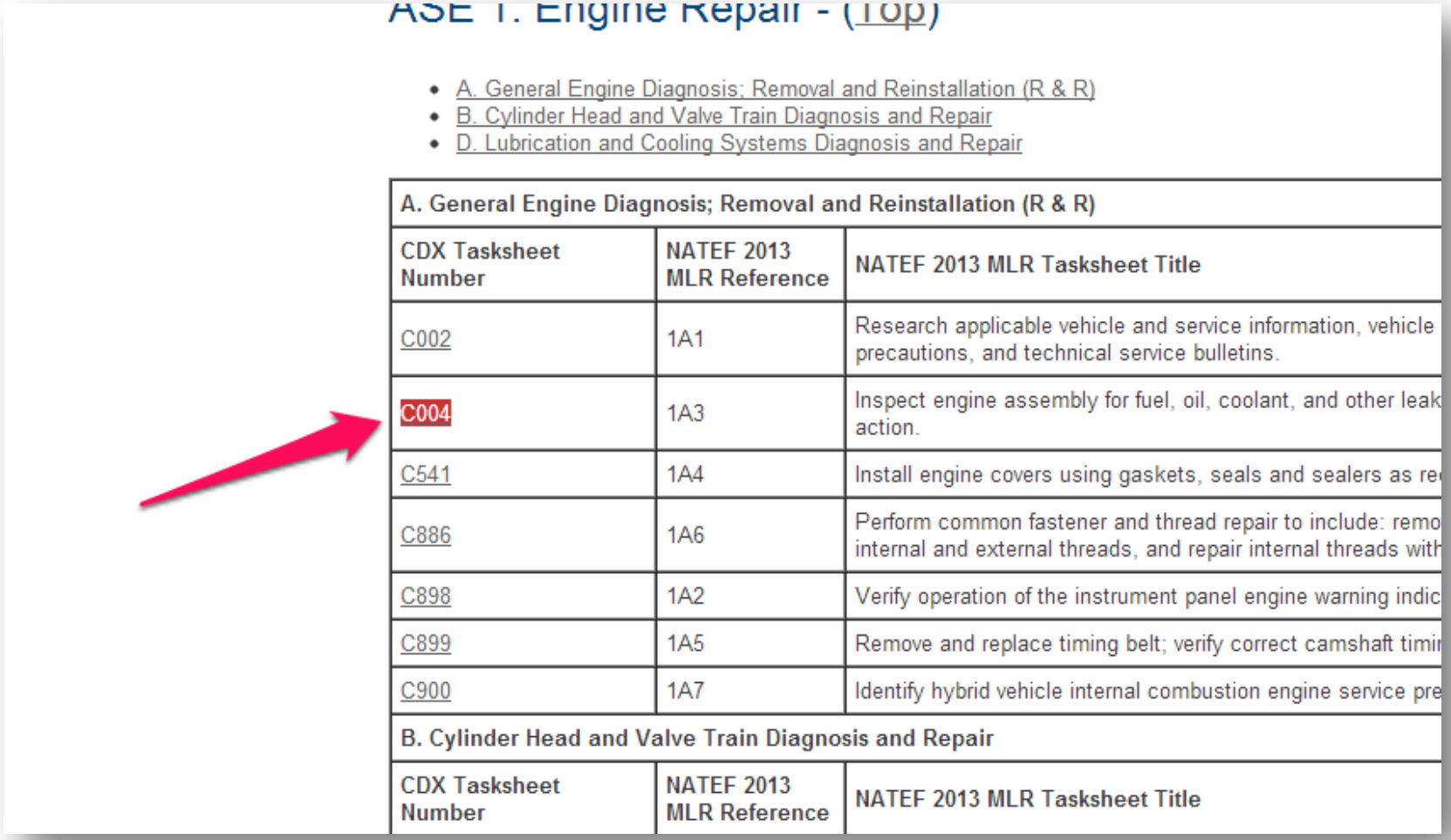

ASE 0 Foundation & Safety
ASE 1 Engine Repair
ASE 2 Automatic Transmissions
ASE 3 Manual Drive Trains
ASE 4 Steering Systems & Suspension Systems
ASE 5 Brakes
ASE 6 Electrical and Electronics
ASE 7 Heating and Air-Conditioning (HVAC)
ASE 8 Engine Performance
ASE 9 Diesel Engines Fuel Systems
SiteHome » CourseHome
Switch role to...
Turn editing on
TASKSHEET MANAGEMENT
Submit/Track Tasksheet
Tasksheet Search
ADMINISTRATION
Assign roles
Grades
Groups
Reports
Questions
Files
Profile
MY COURSES
CDX Light Vehicle (All Areas)
All courses ...
Topic outline
The CDX Conveyor Menu System (above) allows you to select a topic by moving your mouse over the conveyor to reveal the topic image.
Click on the topic image above to open the course.
News forum
1
Welcome to your online classroom environment! This course will familiarize you with the various systems that you will encounter while maintaining light vehicles. The modules build your skills in a logical manner, while providing you with a solid background on the scientific principles behind the technology. With this knowledge, you will be able to troubleshoot and resolve common issues.
CDX TRAINING LIBRARY
CLICK HERE
LATEST NEWS
Add a new topic...
(No news has been posted yet)
UPCOMING EVENTS
There are no upcoming events
Go to calendar...
New Event...
CALENDAR
February 2013
Sun Mon Tue Wed Thu Fri Sat
1 2
3 4 5 6 7 8 9

Choose between 2008 and 2013 MLR, AST, or MAST

On the search page, you can search by C-Number (Or Reference number), Jump to ASE areas on the list, and click the C-Number to download a .pdf of the tasksheet


sksheet Search 2013 MLR
Home
Taksheet #
Find Taksheet
Search by C-Number
Use the tasksheet finder above to search for tasksheets by CDX or NATEF number.
Use the links below to jump to a particular ASE area, or return to the Tasksheet Search home.
If you are using Internet Explorer, please "Allow blocked Content".
Taksheet Search Home
ASE 0
ASE 1
ASE 2
ASE 3
ASE 4
ASE 5
ASE 6
ASE 7
ASE 8
Jump to area
ASE 0: Foundation Studies
A. Shop and Personal Safety
B. Tools and Equipment
C. Preparing Vehicle for Service
A. Shop and Personal Safety
CDX Tasksheet Number
NATEF 2013 MLR Reference
NATEF 2013 MLR Taksheet Title
2013 NATEF MLR Priority
C451 0A1 Identify general shop safety rules and procedures. P-1
C452 0A2 Utilize safe procedures for handling of tools and equipment. P-1
C453 0A3 Identify and use proper placement of floor jacks and jack stands. P-1
C454 0A4 Identify and use proper procedures for safe lift operation. P-1
C455 0A5 Utilize proper ventilation procedures for working within the lab/shop area. P-1
C456 0A6 Identify marked safety areas. P-1
C457 N/A Identify the location and use of fire blankets. P-1
C458 0A7 Identify the location and the types of fire extinguishers and other fire safety equipment; demonstrate knowledge of the procedures for using fire extinguishers and other fire safety equipment. P-1
Tasksheet
C459 0A8 Identify the location and use of eye wash stations. P-1
C460 0A9 Identify the location of posted evacuation routes. P-1
C461 0A10 Comply with the required safe use of safety glasses, ear protection, gloves, and shoes, during lab/shop activities. P-1

If you search for a C-Number or Reference, the tool will jump to the result on the page, and highlight the correct tasksheet.

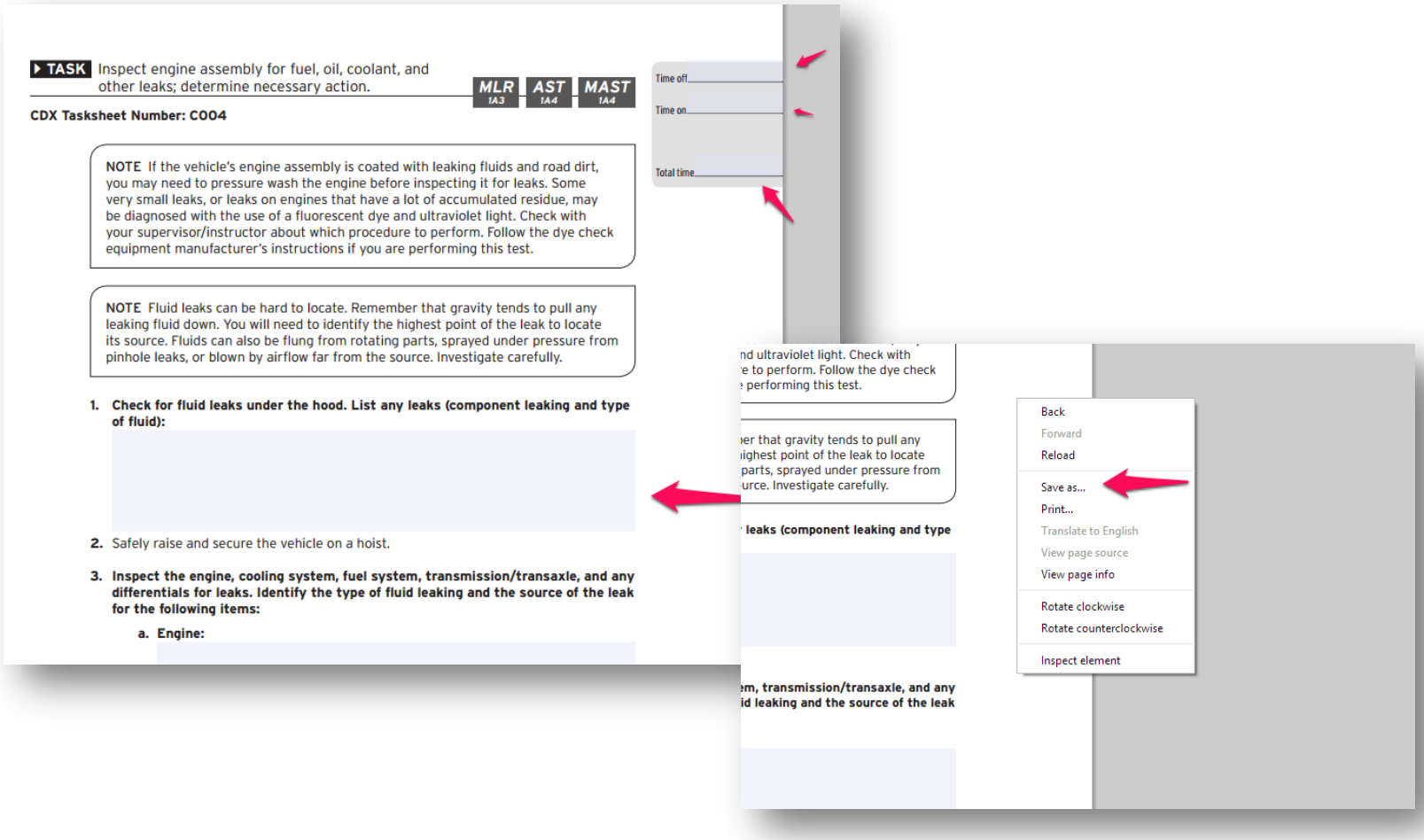


ASE T: Engine Repair - (Top)

- A. General Engine Diagnosis; Removal and Reinstallation (R & R)
- B. Cylinder Head and Valve Train Diagnosis and Repair
- D. Lubrication and Cooling Systems Diagnosis and Repair

A. General Engine Diagnosis; Removal and Reinstallation (R & R)		
CDX Tasksheet Number	**NATEF 2013 MLR Reference**	**NATEF 2013 MLR Tasksheet Title**
C002	1A1	Research applicable vehicle and service information, vehicle precautions, and technical service bulletins.
C004	1A3	Inspect engine assembly for fuel, oil, coolant, and other leak action.
C541	1A4	Install engine covers using gaskets, seals and sealers as re
C886	1A6	Perform common fastener and thread repair to include: remo internal and external threads, and repair internal threads with
C898	1A2	Verify operation of the instrument panel engine warning indic
C899	1A5	Remove and replace timing belt; verify correct camshaft timi
C900	1A7	Identify hybrid vehicle internal combustion engine service pre
B. Cylinder Head and Valve Train Diagnosis and Repair		
CDX Tasksheet Number	**NATEF 2013 MLR Reference**	**NATEF 2013 MLR Tasksheet Title**

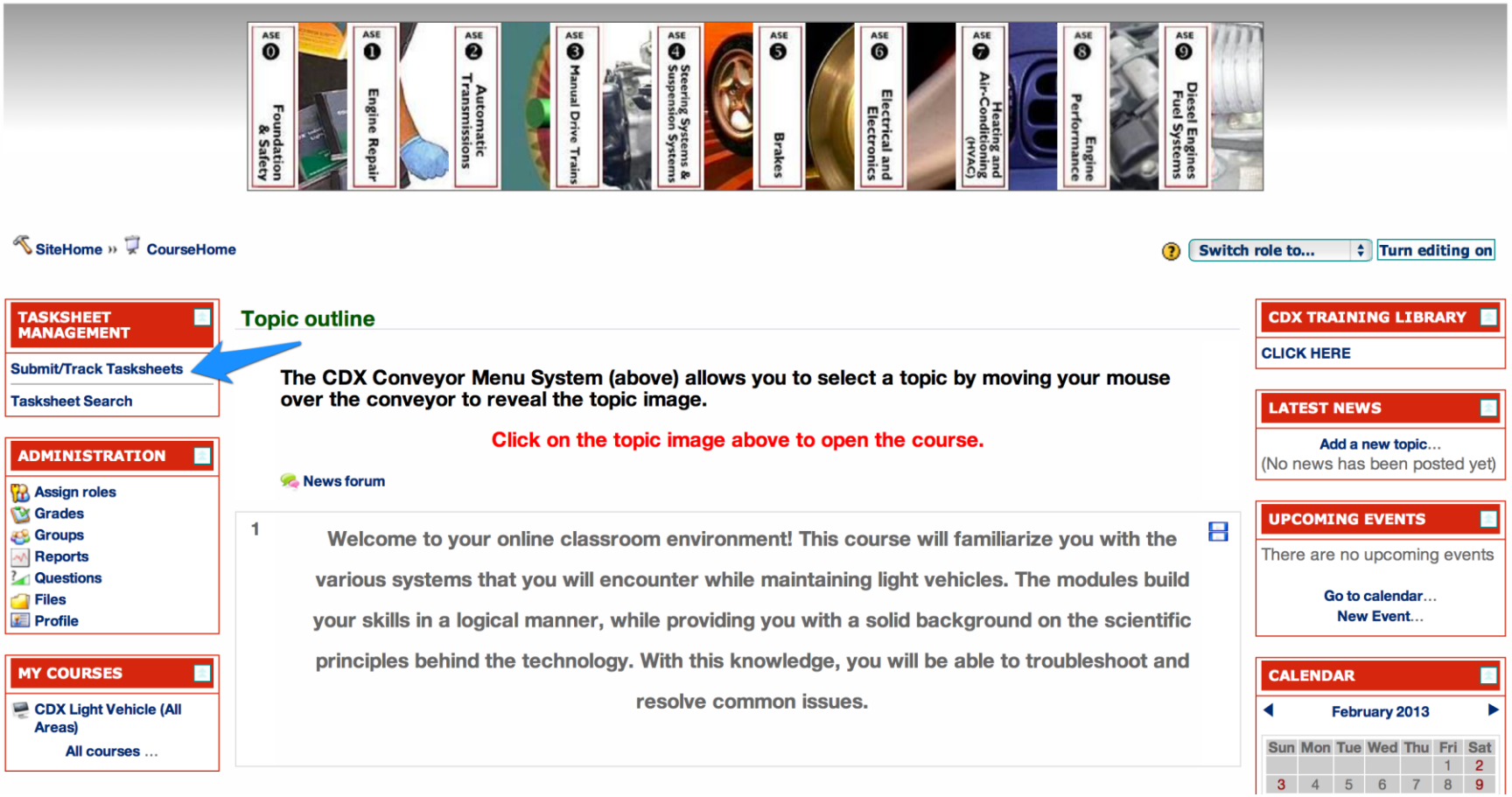
The 2013 tasksheets are electronically fillable. The blue highlighted fields can be filled out on a computer. After filling it out, right click the page and “Save-As” the .pdf


TASK Inspect engine assembly for fuel, oil, coolant, and other leaks; determine necessary action.
MLR 1A3
AST 1A4
MAST 1A4
CDX Tasksheet Number: C004
Time off
Time on
Total time
NOTE If the vehicle's engine assembly is coated with leaking fluids and road dirt, you may need to pressure wash the engine before inspecting it for leaks. Some very small leaks, or leaks on engines that have a lot of accumulated residue, may be diagnosed with the use of a fluorescent dye and ultraviolet light. Check with your supervisor/instructor about which procedure to perform. Follow the dye check equipment manufacturer's instructions if you are performing this test.
NOTE Fluid leaks can be hard to locate. Remember that gravity tends to pull any leaking fluid down. You will need to identify the highest point of the leak to locate its source. Fluids can also be flung from rotating parts, sprayed under pressure from pinhole leaks, or blown by airflow far from the source. Investigate carefully.
1. Check for fluid leaks under the hood. List any leaks (component leaking and type of fluid):
2. Safely raise and secure the vehicle on a hoist.
3. Inspect the engine, cooling system, fuel system, transmission/transaxle, and any differentials for leaks. Identify the type of fluid leaking and the source of the leak for the following items:
a. Engine:
Back
Forward
Reload
Save as...
Print...
Translate to English
View page source
View page info
Rotate clockwise
Rotate counterclockwise
Inspect element

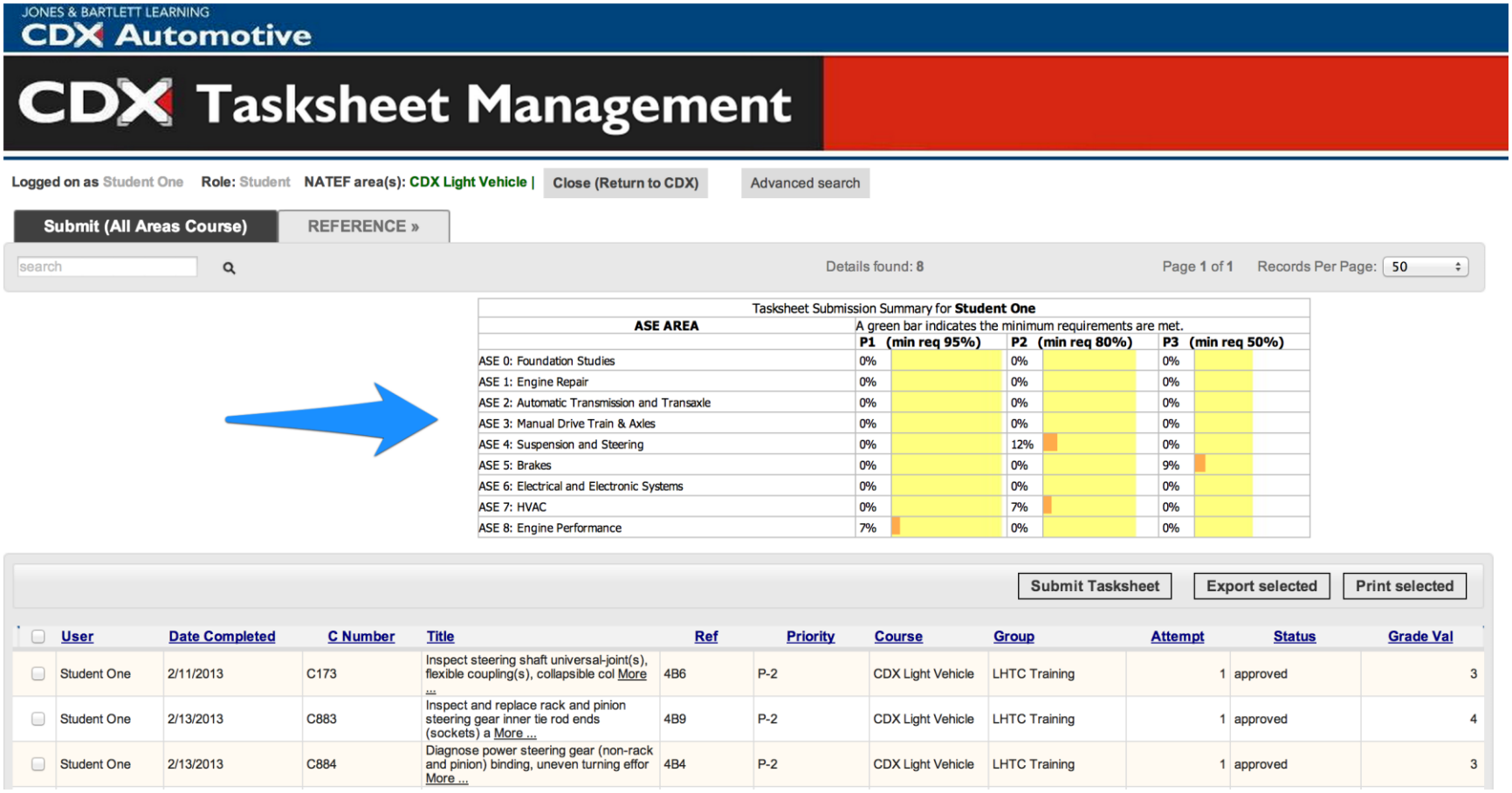
Part 2

SUBMITTING TASKSHEETS

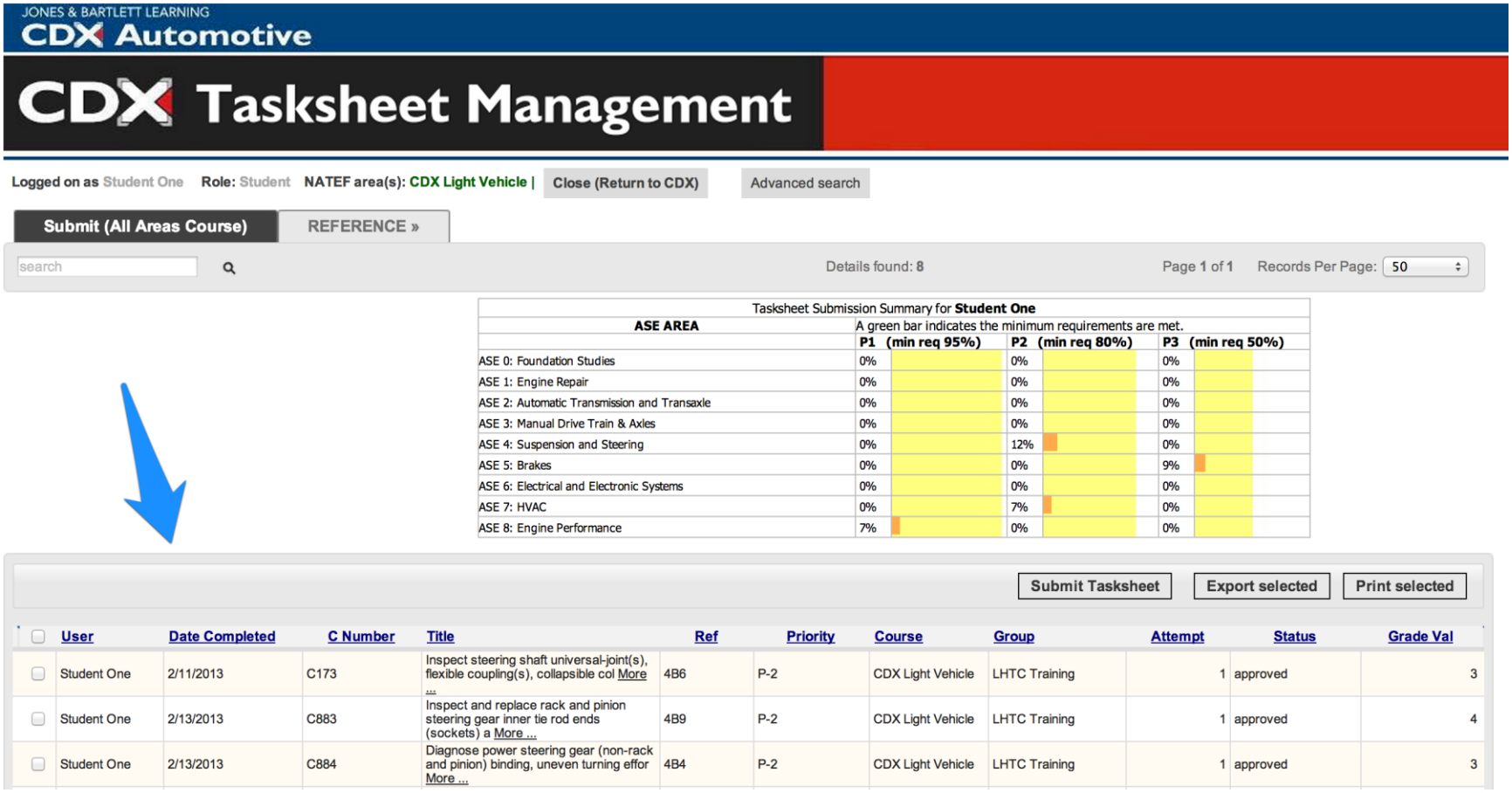
On your course homepage, click **Submit/Track Tasksheets.**


ASE 0 Foundation & Safety
ASE 1 Engine Repair
ASE 2 Automatic Transmissions
ASE 3 Manual Drive Trains
ASE 4 Steering Systems & Suspension Systems
ASE 5 Brakes
ASE 6 Electrical and Electronics
ASE 7 Heating and Air-Conditioning (HVAC)
ASE 8 Engine Performance
ASE 9 Diesel Engines Fuel Systems
SiteHome » CourseHome
Switch role to...
Turn editing on
TASKSHEET MANAGEMENT
Submit/Track Tasksheets
Tasksheet Search
ADMINISTRATION
Assign roles
Grades
Groups
Reports
Questions
Files
Profile
MY COURSES
CDX Light Vehicle (All Areas)
All courses ...
Topic outline
The CDX Conveyor Menu System (above) allows you to select a topic by moving your mouse over the conveyor to reveal the topic image.
Click on the topic image above to open the course.
News forum
1
Welcome to your online classroom environment! This course will familiarize you with the various systems that you will encounter while maintaining light vehicles. The modules build your skills in a logical manner, while providing you with a solid background on the scientific principles behind the technology. With this knowledge, you will be able to troubleshoot and resolve common issues.
CDX TRAINING LIBRARY
CLICK HERE
LATEST NEWS
Add a new topic...
(No news has been posted yet)
UPCOMING EVENTS
There are no upcoming events
Go to calendar...
New Event...
CALENDAR
February 2013
Sun Mon Tue Wed Thu Fri Sat
1 2
3 4 5 6 7 8 9

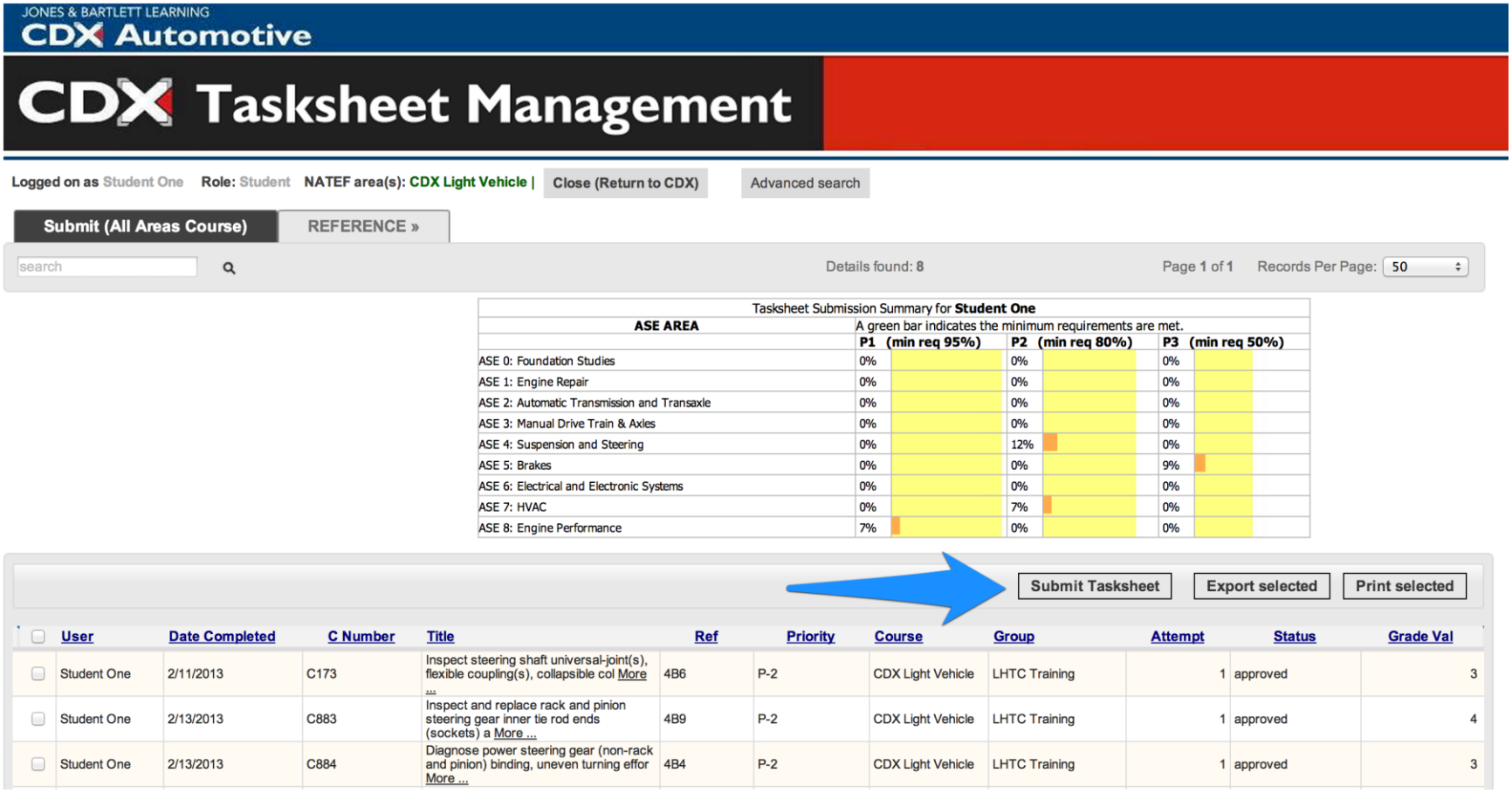
A new tab or window will open. The first thing you'll see is an individual percentage report. You can only see their own information.


JONES & BARTLETT LEARNING
CDX Automotive
CDX Tasksheet Management
Logged on as Student One Role: Student NATEF area(s): CDX Light Vehicle | Close (Return to CDX) Advanced search
Submit (All Areas Course) REFERENCE »
search
Details found: 8
Page 1 of 1
Records Per Page: 50
Tasksheet Submission Summary for Student One
A green bar indicates the minimum requirements are met.
ASE AREA
P1 (min req 95%)
P2 (min req 80%)
P3 (min req 50%)
ASE 0: Foundation Studies 0% 0% 0%
ASE 1: Engine Repair 0% 0% 0%
ASE 2: Automatic Transmission and Transaxle 0% 0% 0%
ASE 3: Manual Drive Train & Axles 0% 0% 0%
ASE 4: Suspension and Steering 0% 12% 0%
ASE 5: Brakes 0% 0% 9%
ASE 6: Electrical and Electronic Systems 0% 0% 0%
ASE 7: HVAC 0% 7% 0%
ASE 8: Engine Performance 7% 0% 0%
Submit Tasksheet
Export selected
Print selected
User
Date Completed
C Number
Title
Ref
Priority
Course
Group
Attempt
Status
Grade Val
Student One 2/11/2013 C173 Inspect steering shaft universal-joint(s), flexible coupling(s), collapsible col More ... 4B6 P-2 CDX Light Vehicle LHTC Training 1 approved 3
Student One 2/13/2013 C883 Inspect and replace rack and pinion steering gear inner tie rod ends (sockets) a More ... 4B9 P-2 CDX Light Vehicle LHTC Training 1 approved 4
Student One 2/13/2013 C884 Diagnose power steering gear (non-rack and pinion) binding, uneven turning effor More ... 4B4 P-2 CDX Light Vehicle LHTC Training 1 approved 3

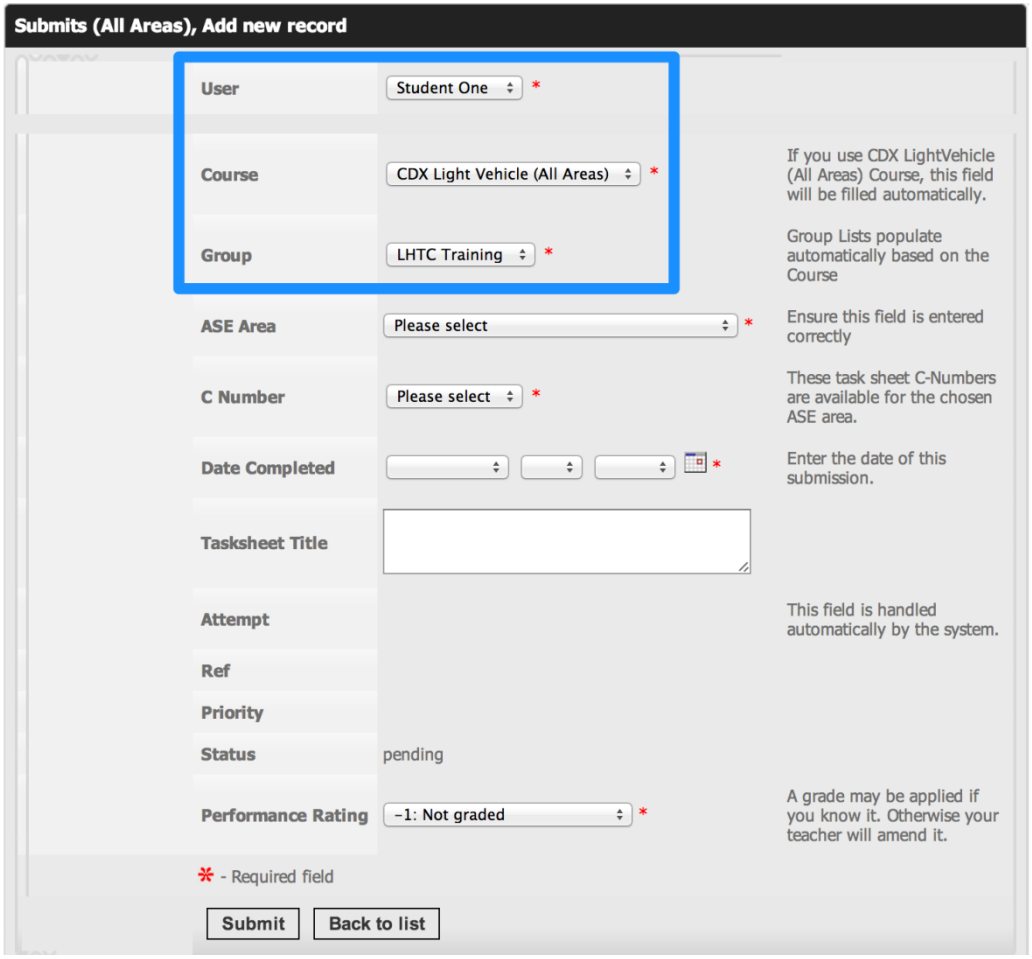
Below the percentage report you'll find the individual submissions. In the example, all submissions are currently marked approved.


JONES & BARTLETT LEARNING
CDX Automotive
CDX Tasksheet Management
Logged on as Student One Role: Student NATEF area(s): CDX Light Vehicle | Close (Return to CDX) Advanced search
Submit (All Areas Course) REFERENCE »
search
Details found: 8
Page 1 of 1
Records Per Page: 50
Tasksheet Submission Summary for Student One
ASE AREA
A green bar indicates the minimum requirements are met.
P1 (min req 95%)
P2 (min req 80%)
P3 (min req 50%)
ASE 0: Foundation Studies 0% 0% 0%
ASE 1: Engine Repair 0% 0% 0%
ASE 2: Automatic Transmission and Transaxle 0% 0% 0%
ASE 3: Manual Drive Train & Axles 0% 0% 0%
ASE 4: Suspension and Steering 0% 12% 0%
ASE 5: Brakes 0% 0% 9%
ASE 6: Electrical and Electronic Systems 0% 0% 0%
ASE 7: HVAC 0% 7% 0%
ASE 8: Engine Performance 7% 0% 0%
Submit Tasksheet
Export selected
Print selected
User
Date Completed
C Number
Title
Ref
Priority
Course
Group
Attempt
Status
Grade Val
Student One 2/11/2013 C173 Inspect steering shaft universal-joint(s), flexible coupling(s), collapsible col More ... 4B6 P-2 CDX Light Vehicle LHTC Training 1 approved 3
Student One 2/13/2013 C883 Inspect and replace rack and pinion steering gear inner tie rod ends (sockets) a More ... 4B9 P-2 CDX Light Vehicle LHTC Training 1 approved 4
Student One 2/13/2013 C884 Diagnose power steering gear (non-rack and pinion) binding, uneven turning effor More ... 4B4 P-2 CDX Light Vehicle LHTC Training 1 approved 3

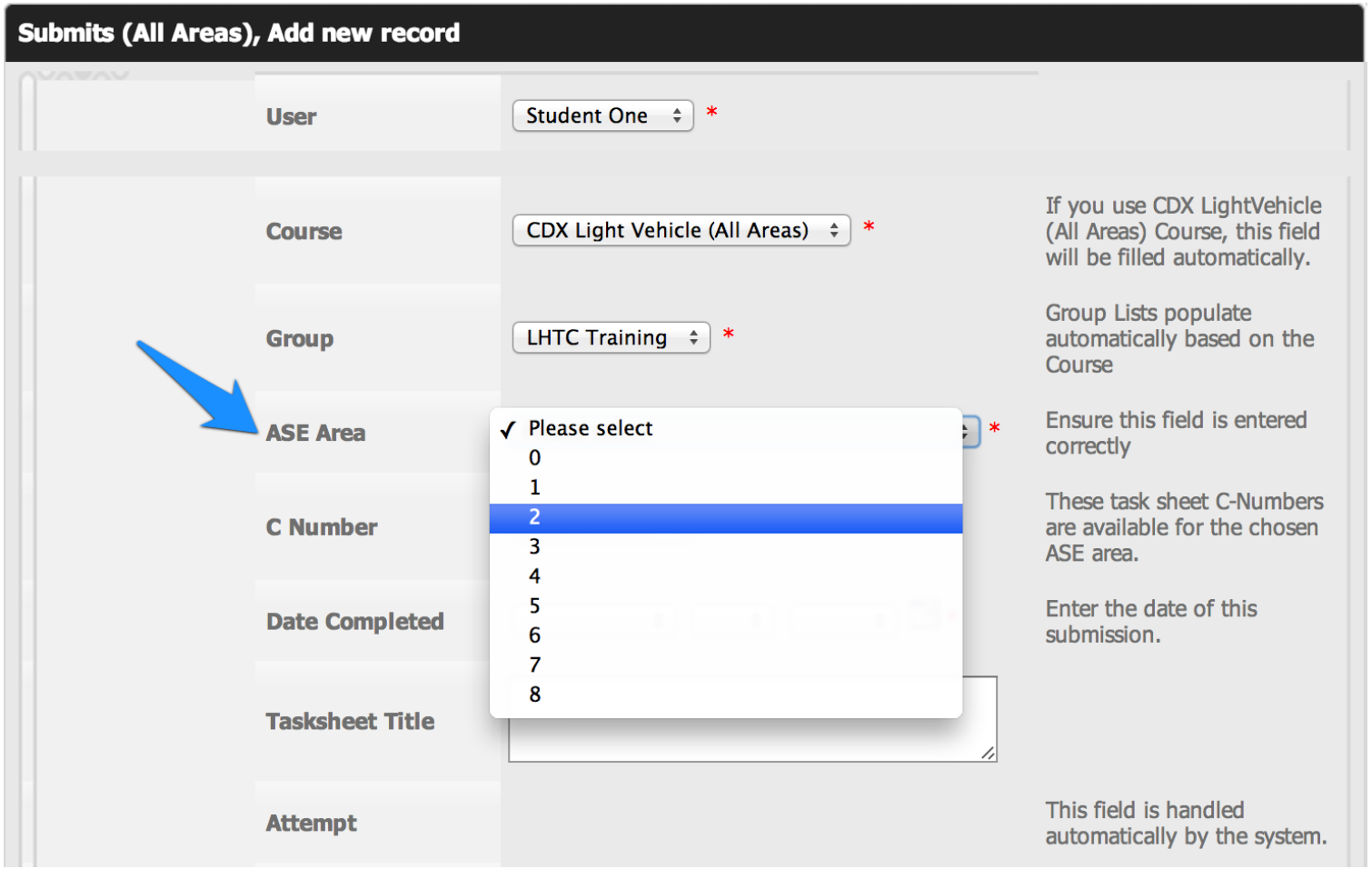
To send a submission to an instructor for approval, click **Submit Tasksheet**.


JONES & BARTLETT LEARNING
CDX Automotive
CDX Tasksheet Management
Logged on as Student One Role: Student NATEF area(s): CDX Light Vehicle | Close (Return to CDX) Advanced search
Submit (All Areas Course) REFERENCE »
search
Details found: 8
Page 1 of 1
Records Per Page: 50
Tasksheet Submission Summary for Student One
ASE AREA
A green bar indicates the minimum requirements are met.
P1 (min req 95%)
P2 (min req 80%)
P3 (min req 50%)
ASE 0: Foundation Studies 0% 0% 0%
ASE 1: Engine Repair 0% 0% 0%
ASE 2: Automatic Transmission and Transaxle 0% 0% 0%
ASE 3: Manual Drive Train & Axles 0% 0% 0%
ASE 4: Suspension and Steering 0% 12% 0%
ASE 5: Brakes 0% 0% 9%
ASE 6: Electrical and Electronic Systems 0% 0% 0%
ASE 7: HVAC 0% 7% 0%
ASE 8: Engine Performance 7% 0% 0%
Submit Tasksheet
Export selected
Print selected
User
Date Completed
C Number
Title
Ref
Priority
Course
Group
Attempt
Status
Grade Val
Student One 2/11/2013 C173 Inspect steering shaft universal-joint(s), flexible coupling(s), collapsible col More ... 4B6 P-2 CDX Light Vehicle LHTC Training 1 approved 3
Student One 2/13/2013 C883 Inspect and replace rack and pinion steering gear inner tie rod ends (sockets) a More ... 4B9 P-2 CDX Light Vehicle LHTC Training 1 approved 4
Student One 2/13/2013 C884 Diagnose power steering gear (non-rack and pinion) binding, uneven turning effor More ... 4B4 P-2 CDX Light Vehicle LHTC Training 1 approved 3

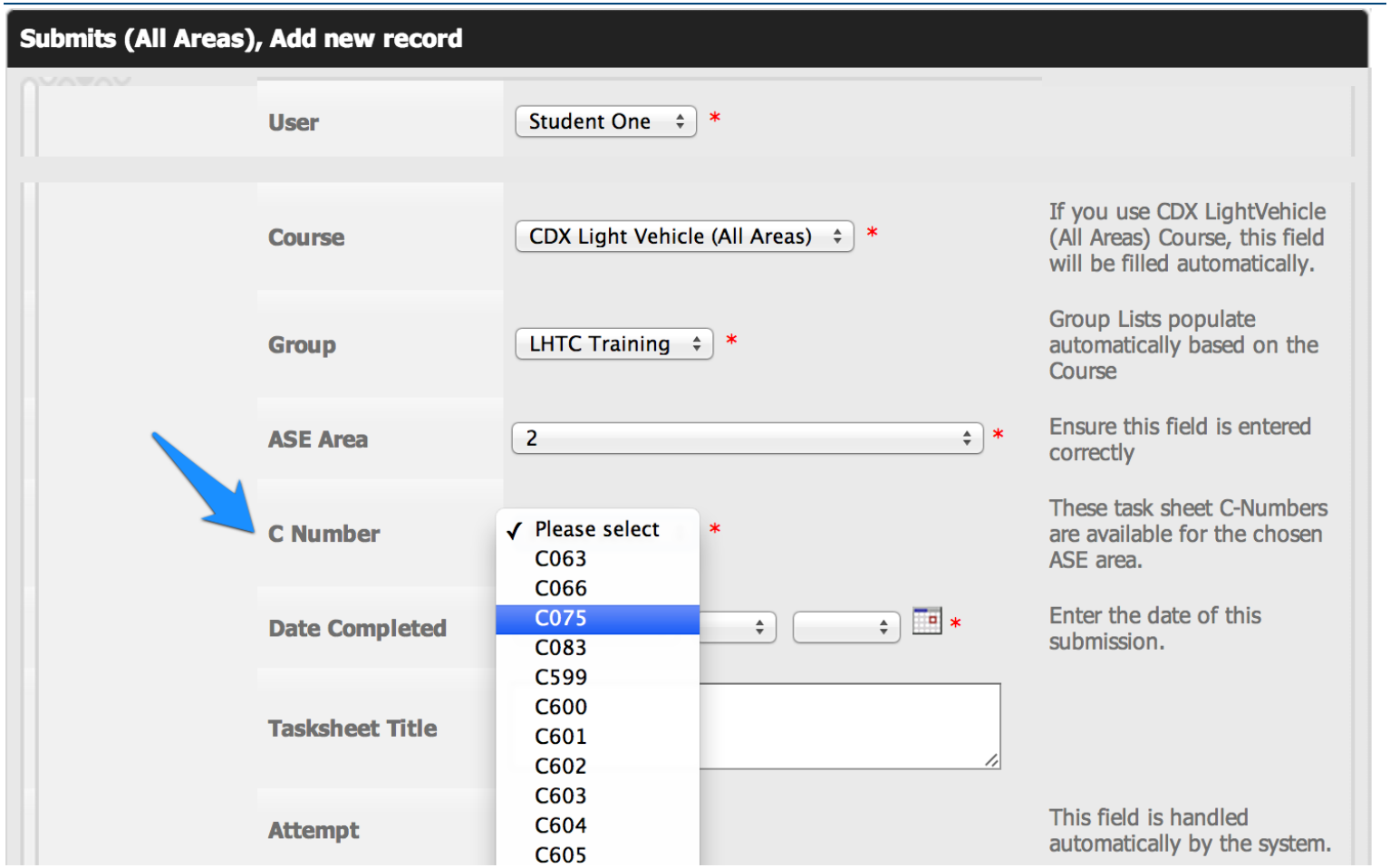
The first three fields on the submission form will be filled in automatically. You can select a different course or group if you're enrolled in multiples courses/groups.


Submits (All Areas), Add new record
User
Student One *
Course
CDX Light Vehicle (All Areas) *
If you use CDX LightVehicle (All Areas) Course, this field will be filled automatically.
Group
LHTC Training *
Group Lists populate automatically based on the Course
ASE Area
Please select *
Ensure this field is entered correctly
C Number
Please select *
These task sheet C-Numbers are available for the chosen ASE area.
Date Completed
*
Enter the date of this submission.
Tasksheet Title
Attempt
This field is handled automatically by the system.
Ref
Priority
Status
pending
Performance Rating
-1: Not graded *
A grade may be applied if you know it. Otherwise your teacher will amend it.
* - Required field
Submit
Back to list

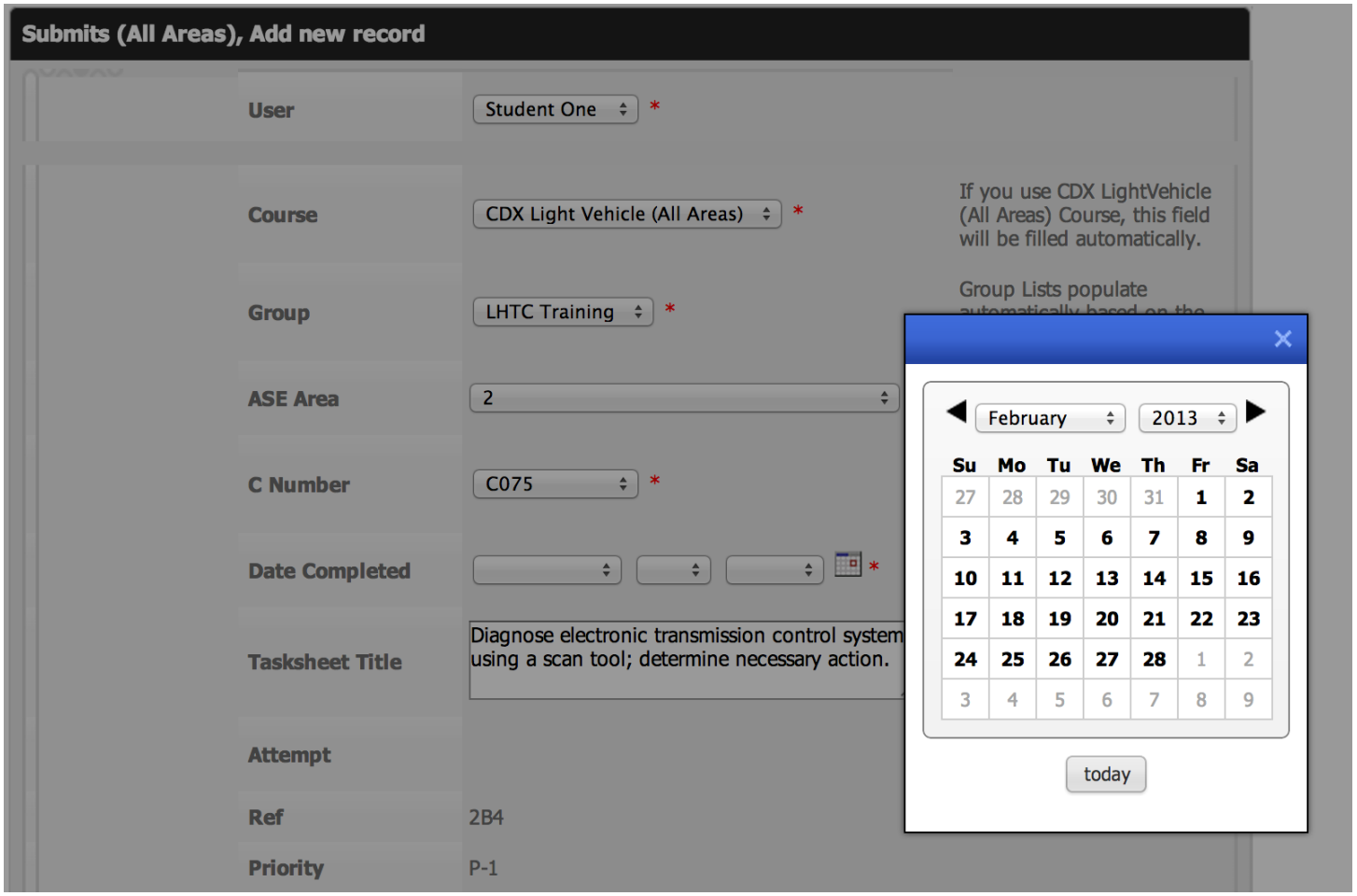
Select the appropriate *ASE Area* for your submission.



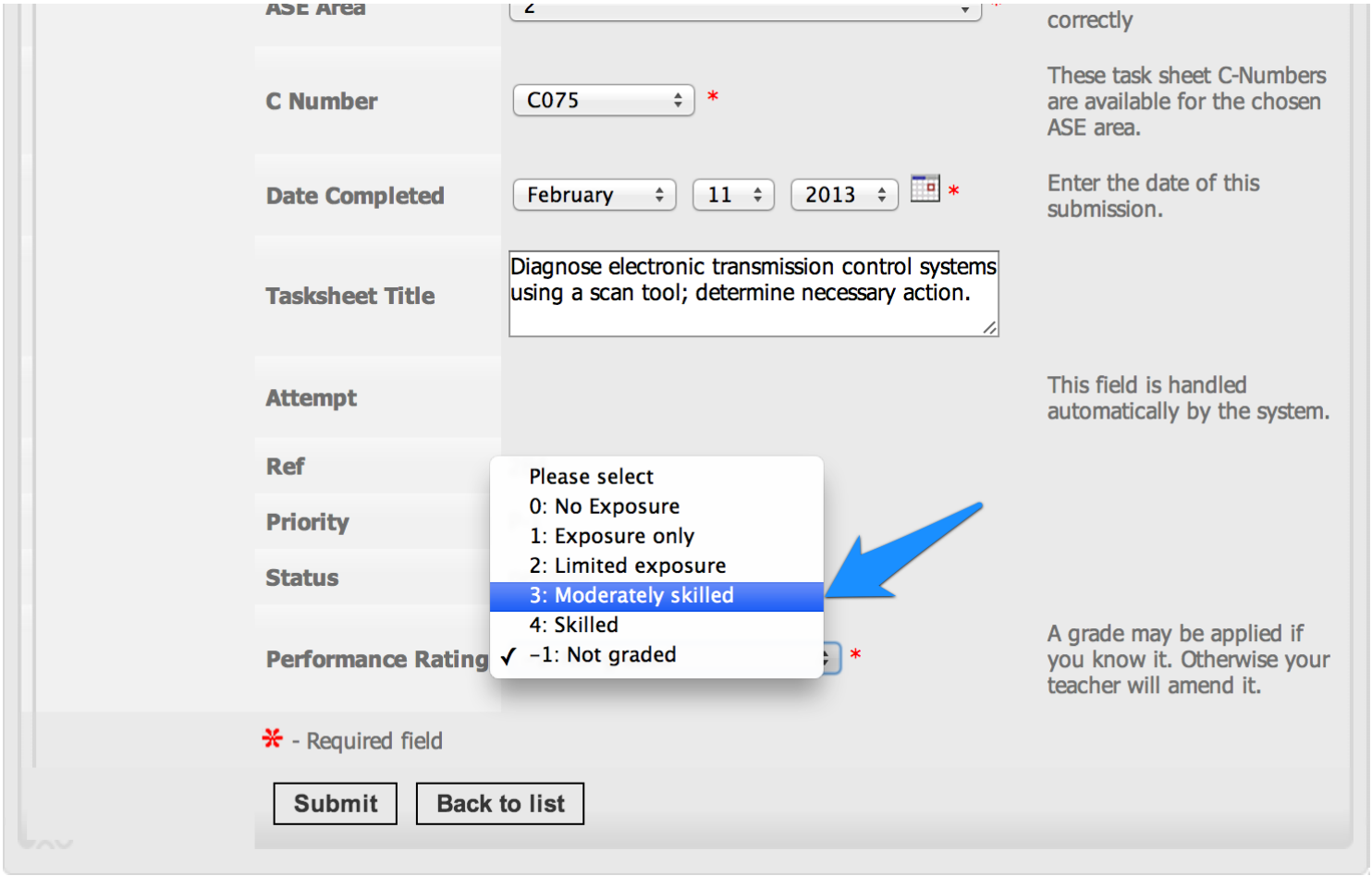
Then select a *C Number* from the ASE Area you selected.



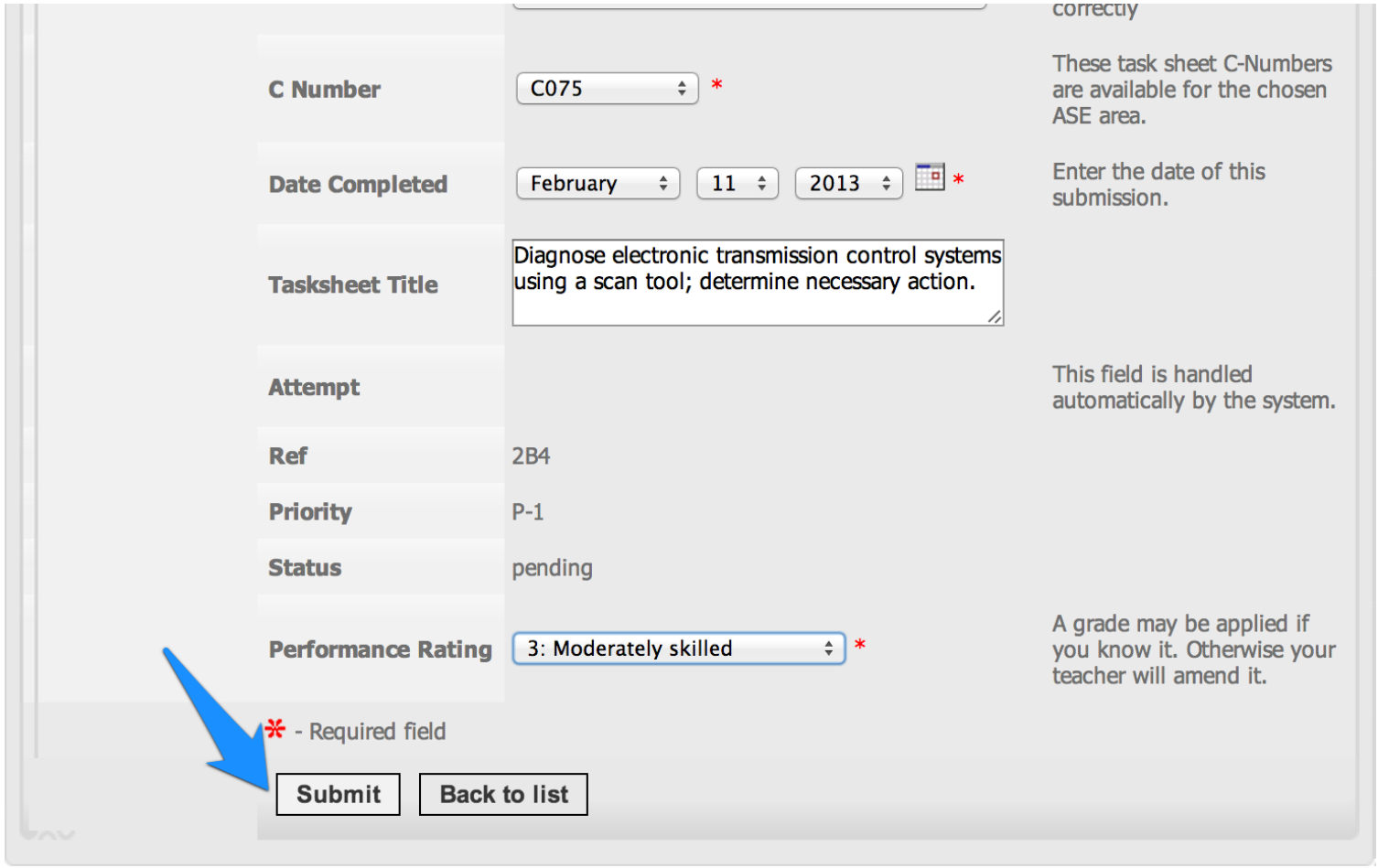
Select a *Date Completed* by clicking the calendar icon and then clicking on a day.



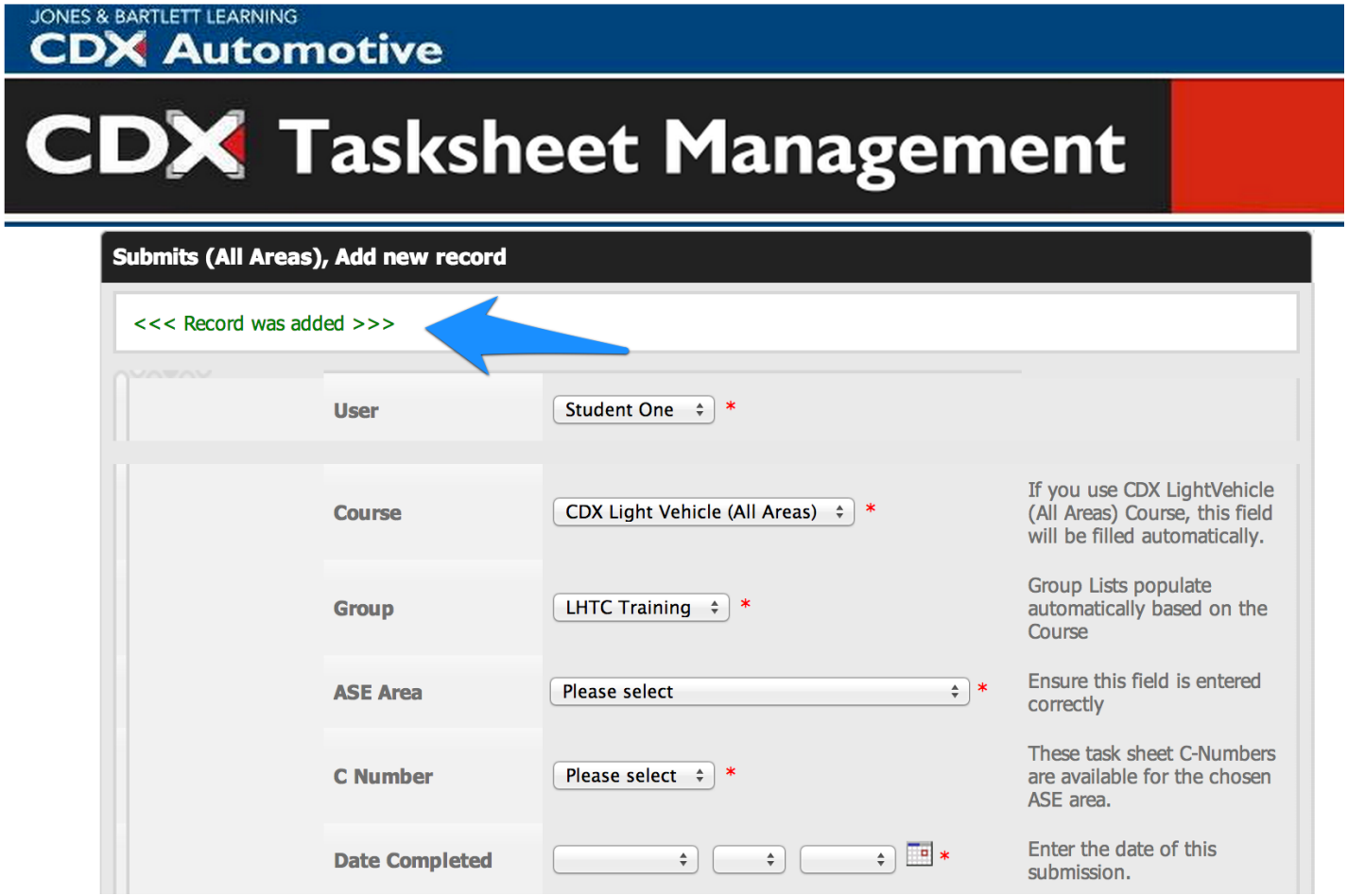
Select a *Status* for your submission. Your instructor may change this if necessary when the submission is approved.



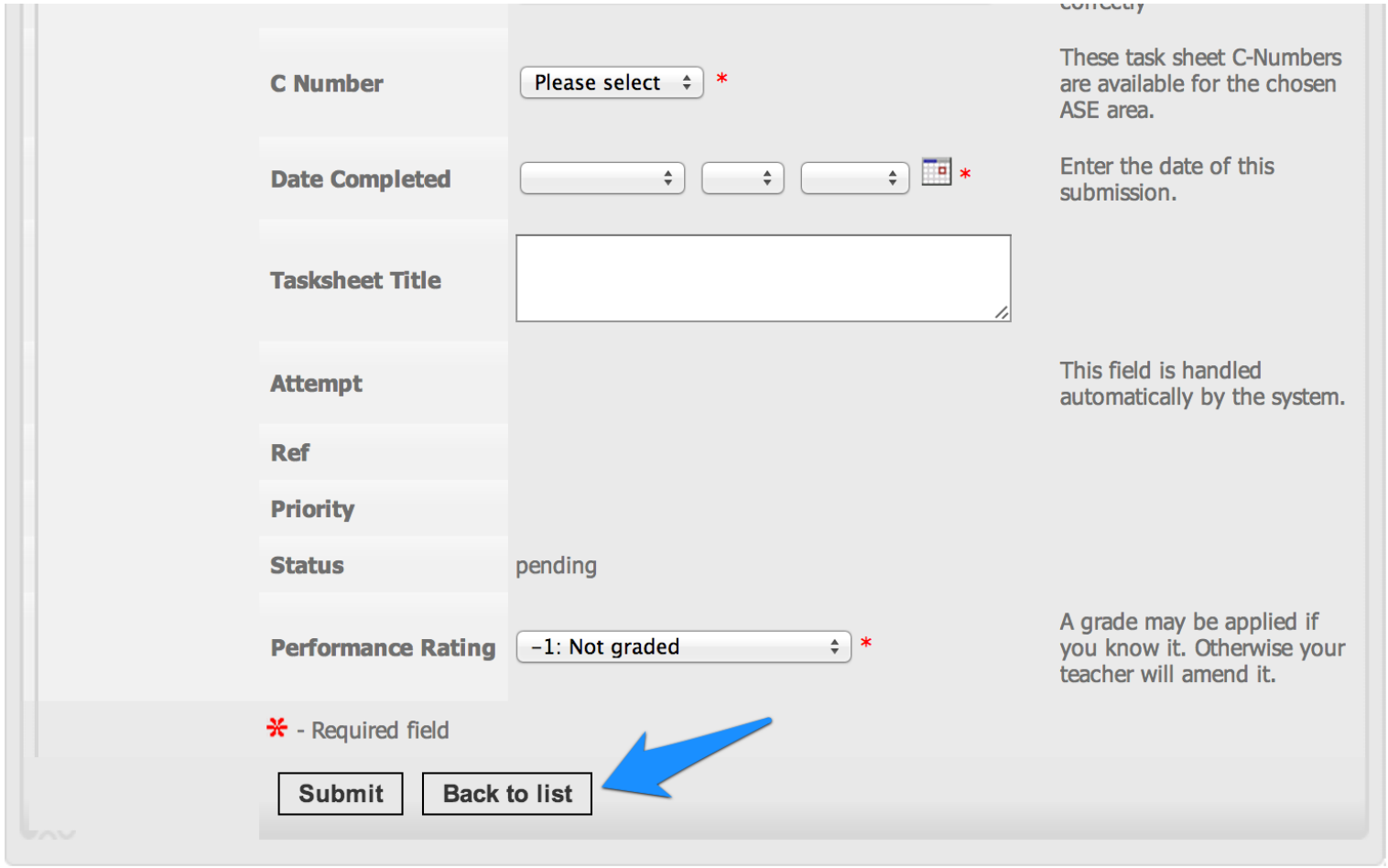
Finally, click **Submit**.



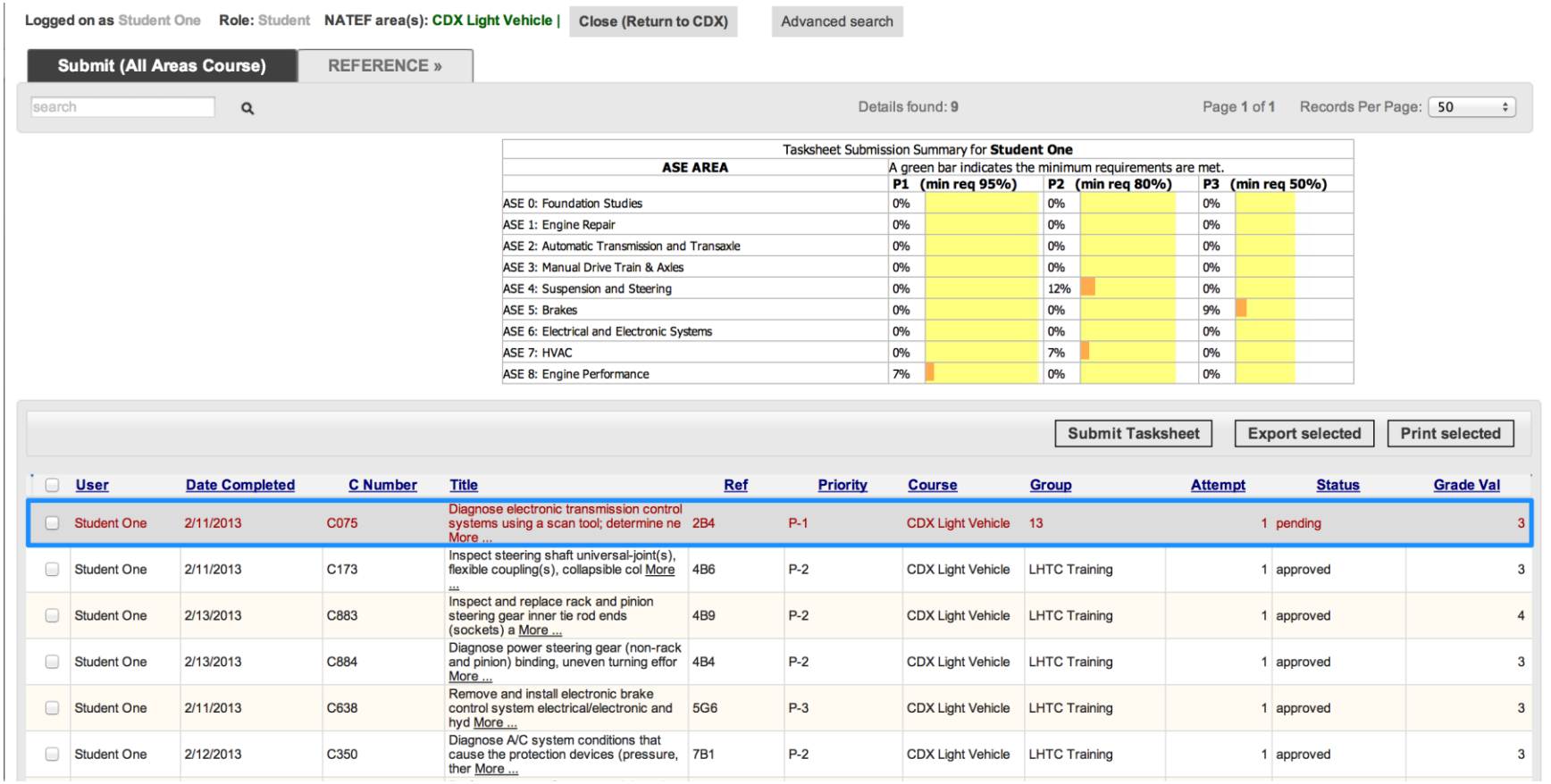
You'll get a confirmation at the top of the page that your submission was successful.


JONES & BARTLETT LEARNING
CDX Automotive
CDX Tasksheet Management
Submits (All Areas), Add new record
<<< Record was added >>>
User
Student One
Course
CDX Light Vehicle (All Areas)
If you use CDX LightVehicle (All Areas) Course, this field will be filled automatically.
Group
LHTC Training
Group Lists populate automatically based on the Course
ASE Area
Please select
Ensure this field is entered correctly
C Number
Please select
These task sheet C-Numbers are available for the chosen ASE area.
Date Completed
Enter the date of this submission.

When you're done submitting tasks, click **Back to list**.



Any tasks that you submitted will be shown as pending tasks waiting for instructor approval. Until the submissions are approved, they won't count towards your percentage report. To generate your own report of completed tasks, use the **Export selected** or **Print selected** button.


Logged on as Student One Role: Student NATEF area(s): CDX Light Vehicle | Close (Return to CDX) Advanced search
Submit (All Areas Course) REFERENCE »
search
Details found: 9 Page 1 of 1 Records Per Page: 50
Tasksheet Submission Summary for Student One
ASE AREA
A green bar indicates the minimum requirements are met.
P1 (min req 95%) P2 (min req 80%) P3 (min req 50%)
ASE 0: Foundation Studies 0% 0% 0%
ASE 1: Engine Repair 0% 0% 0%
ASE 2: Automatic Transmission and Transaxle 0% 0% 0%
ASE 3: Manual Drive Train & Axles 0% 0% 0%
ASE 4: Suspension and Steering 0% 12% 0%
ASE 5: Brakes 0% 0% 9%
ASE 6: Electrical and Electronic Systems 0% 0% 0%
ASE 7: HVAC 0% 7% 0%
ASE 8: Engine Performance 7% 0% 0%
Submit Tasksheet Export selected Print selected
User Date Completed C Number Title Ref Priority Course Group Attempt Status Grade Val
Student One 2/11/2013 C075 Diagnose electronic transmission control systems using a scan tool; determine ne More ... 2B4 P-1 CDX Light Vehicle 13 1 pending 3
Student One 2/11/2013 C173 Inspect steering shaft universal-joint(s), flexible coupling(s), collapsible col More ... 4B6 P-2 CDX Light Vehicle LHTC Training 1 approved 3
Student One 2/13/2013 C883 Inspect and replace rack and pinion steering gear inner tie rod ends (sockets) a More ... 4B9 P-2 CDX Light Vehicle LHTC Training 1 approved 4
Student One 2/13/2013 C884 Diagnose power steering gear (non-rack and pinion) binding, uneven turning effor More ... 4B4 P-2 CDX Light Vehicle LHTC Training 1 approved 3
Student One 2/11/2013 C638 Remove and install electronic brake control system electrical/electronic and hyd More ... 5G6 P-3 CDX Light Vehicle LHTC Training 1 approved 3
Student One 2/12/2013 C350 Diagnose A/C system conditions that cause the protection devices (pressure, ther More ... 7B1 P-2 CDX Light Vehicle LHTC Training 1 approved 3